This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

L Number	Hits	Search Text	DB	Time stamp
1	126	(ECC or (error adj3 correct\$4) or FEC)	USPAT;	2004/06/15
		same ((speech or vocal) near4 (recogn\$5	EPO; JPO;	16:47
_		or element(1))	DERWENT	
2	125	(ECC or (error adj3 correct\$4) or FEC)	USPAT;	2004/06/15
		same ((speech or vocal) near4 recogn\$5)	EPO; JPO; DERWENT	16:47
3	17	(ECC or (error adj3 correct\$4) or FEC)	USPAT;	2004/06/15
		same ((speech or vocal) near4 recogn\$5)	EPO; JPO;	16:48
		same detect\$\$	DERWENT	
4	17	(ECC or (error adj3 correct\$4) or FEC) same ((speech or vocal) near4 recogn\$5)	USPAT; EPO; JPO;	2004/06/15
		same detect\$4	DERWENT	10.40
5	2	(ECC or (error adj3 correct\$4) or FEC)	USPAT;	2004/06/15
	1	same ((speech or vocal) near4 recogn\$5)	EPO; JPO;	16:48
	_	same detect\$4 same synthes\$3	DERWENT	0004/06/15
6	. 3	((ECC or (error adj3 correct\$4) or FEC) same ((speech or vocal) near4 recogn\$5)	USPAT; EPO; JPO;	2004/06/15 16:49
		same detect\$4) and synthes\$3	DERWENT	10.49
7	95	((ECC or (error adj3 correct\$4) or FEC)	USPAT;	2004/06/15
		and ((speech or vocal) near4 recogn\$5)	EPO; JPO;	16:50
		and detect\$4) and synthes\$3 and	DERWENT	
8	95	replac\$5\$4 ((ECC or (error adj3 correct\$4) or FEC)	USPAT;	2004/06/15
-		and ((speech or vocal) near4 recogn\$5)	EPO; JPO;	16:50
	1	and detect\$4) and synthes\$3 and replac\$4	DERWENT	1
9	23	((ECC or (error adj3 correct\$4) or FEC)	USPAT;	2004/06/15
		and ((speech or vocal) near4 recogn\$5) and detect\$4) and synthes\$3 and replac\$4	EPO; JPO; DERWENT	16:51
	\bigcirc	and (phonem\$3 or diphon\$3)	DEKWENI	
10	(13)	((ECC or (error adj3 correct\$4) or FEC)	USPAT;	2004/06/15
		and ((speech or vocal) near4 recogn\$5)	EPO; JPO;	16:51
		and detect\$4) and synthes\$3 and replac\$4	DERWENT	
11	13	and (phonem\$3 or diphon\$3) and receiver ((ECC or (error adj3 correct\$4) or FEC)	USPAT;	2004/06/15
		and ((speech or vocal) near4 recogn\$5)	EPO; JPO;	16:53
		and detect\$4) and synthes\$3 and replac\$4	DERWENT	
		and (phonem\$3 or diphon\$3) and receiver		
12	13	and (stor\$3 or memory or buffer) ((ECC or (error adj3 correct\$4) or FEC or	USPAT;	2004/06/15
12		(forward adj2 error adj2 corrrec\$4)) and	EPO; JPO;	16:55
		((speech or vocal) near4 recogn\$5) and	DERWENT	
		detect\$4) and synthes\$3 and replac\$4 and		
		<pre>(phonem\$3 or diphon\$3) and receiver and (stor\$3 or memory or buffer)</pre>		
13	(11)	((ECC or (error adj3 correct\$4) or FEC or	USPAT;	2004/06/15
		(forward adj2 error adj2 corrrec\$4)) and	EPO; JPO;	16:55
		((speech or vocal) near2 recogn\$5) and	DERWENT	
		detect\$4) and synthes\$3 and replac\$4 and		
		<pre>(phonem\$3 or diphon\$3) and receiver and (stor\$3 or memory or buffer)</pre>		
14	О	((speech or vocal) near2 recogn\$5) same	USPAT;	2004/06/15
1		(detect\$4 near3 corrup\$3) same synthes\$3	EPO; JPO;	16:56
1.5		same replac\$4	DERWENT	2004/05/15
15		((speech or vocal) near2 recogn\$5) same detect\$4 same synthes\$3 same replac\$4	USPAT; EPO; JPO;	2004/06/15 16:57
		derectial name nimentania name rebracia	DERWENT	10.37
16	86	((speech or vocal) near2 recogn\$5) same	USPAT;	2004/06/15
		detect\$4 same synthes\$3	EPO; JPO;	16:57
17		//gnoogh or trogally nearly región (E)	DERWENT	2004/06/15
1 '	2	((speech or vocal) near2 recogn\$5) same (error near3 detect\$4) same synthes\$3	USPAT; EPO; JPO;	2004/06/15 16:57
		(office liears accessed 1) same symmetry	DERWENT	10.07
18	107	((speech or vocal) near2 recogn\$5) and	USPAT;	2004/06/15
		(error near3 detect\$4) and synthes\$3	EPO; JPO;	16:58
19	12)	((speech or vocal) near2 recogn\$5) and	DERWENT USPAT;	2004/06/15
1.5	(12)	((speech of vocal) hear? recogns() and (error near3 detect\$4) and (synthes\$3	EPO; JPO;	16:59
		same replac\$4)	DERWENT	
		The state of the s		

20	(77	((speech or vocal) near2 recogn\$5) and	USPAT;	2004/06/15
	((error near3 detect\$4) and (synthes\$3	EPO; JPO;	16:59
		$\overline{}$	near10 replac\$4)	DERWENT	

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Publications/Services Standards Conferences Membership

Welcome **United States Patent and Trademark Office**



FAQ Terms IEEE Peer Review

Quick Links

Welcome to IEEE Aphare*

O- Home

()- What Can | Access?

O-Log-out

Tables of Contents

Journals. & Magazines

)- Conference **Proceedings**

O Standards

Search

O- By Author

O- Basic

Advanced

Hember Services

O Join IEEE

()- Establish IEEE Web Account

()- Access the IEEE Member Digital Library

Print Format

Your search matched 1163 of 1045422 documents.

A maximum of 500 results are displayed, 15 to a page, sorted by Relevance **Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or enteri new one in the text box.

vocal<or>speech<near/5>recognition<and>synthesis

Search

☐ Check to search within this result set

Results Key:

JNL = Journal or Magazine CNF = Conference STD = Standard

Speech production by a mechanical model: Construction of a vocal t and its control by neural network

Higashimoto, T.; Sawada, H.;

Robotics and Automation, 2002. Proceedings. ICRA '02. IEEE International Conference on , Volume: 4 , 11-15 May 2002

Pages:3858 - 3863 vol.4

[PDF Full-Text (677 KB)] [Abstract] **IEEE CNF**

2 Area estimation from ARMA analysis based on vocal-tract model

Miki, N.; Saga, S.; Motoki, K.; Miyanaga, Y.; Nagai, N.;

Acoustics, Speech, and Signal Processing, IEEE International Conference on

ICASSP '86., Volume: 11, Apr 1986

Pages:1613 - 1615

[Abstract] [PDF Full-Text (152 KB)] **IEEE CNF**

3 Speaker individualities of vocal tract shapes of Japanese vowels measured by magnetic resonance images

Chang-Sheng Yang; Kasuya, H.;

Spoken Language, 1996. ICSLP 96. Proceedings., Fourth International Confer

on , Volume: 2 , 3-6 Oct. 1996

Pages:949 - 952 vol.2

[Abstract] [PDF Full-Text (296 KB)] **IEEE CNF**

4 Speech synthesis using stochastic Markov graphs

Eichner, M.; Wolff, M.; Ohnewald, S.; Hoffmann, R.;

Acoustics, Speech, and Signal Processing, 2001. Proceedings. (ICASSP '01). 2

IEEE International Conference on , Volume: 2 , 7-11 May 2001

Pages:829 - 832 vol.2

[Abstract] [PDF Full-Text (376 KB)] IEEE CNF

5 The impact of speech recognition on speech synthesis

Ostendorf, M.; Bulyko, I.;

Speech Synthesis, 2002. Proceedings of 2002 IEEE Workshop on , 11-13 Sept 2002

Pages:99 - 106

[Abstract] [PDF Full-Text (891 KB)] IEEE CNF

6 Dolphin vocalisation analysis using an ADSP 21020

Jones, J.C.; Browne, R.W.; di Meglio, A.; Wang, L.S.; DSP Chips in Real-Time Instrumentation and Display Systems (Digest No: 1997/300), IEE Colloquium on , 24 Sept. 1997 Pages: 10/1 - 10/5

[Abstract] [PDF Full-Text (500 KB)] IEE CNF

7 Speech synthesis from vocal tract area function acoustical measurements

Tousignant, B.; Lefevre, J.-P.; Lecours, M.; Acoustics, Speech, and Signal Processing, IEEE International Conference on ICASSP '79., Volume: 4, Apr 1979 Pages:921 - 924

[Abstract] [PDF Full-Text (76 KB)] IEEE CNF

8 Determining vocal tract shape by applying dynamic constraints

Kuc, R.; Tuteur, F.; Vaisnys, J.;

Acoustics, Speech, and Signal Processing, IEEE International Conference on

ICASSP '85., Volume: 10, Apr 1985

Pages:1101 - 1104

[Abstract] [PDF Full-Text (88 KB)] IEEE CNF

9 Development of a new human-like talking robot having advanced vo tract mechanisms

Nishikawa, K.; Takanobu, H.; Mochida, T.; Honda, M.; Takanishi, A.; Intelligent Robots and Systems, 2003. (IROS 2003). Proceedings. 2003 IEEE/ International Conference on , Volume: 2 , 27-31 Oct. 2003 Pages:1907 - 1913 vol.2

[Abstract] [PDF Full-Text (632 KB)] IEEE CNF

10 Speech based automatic lie detection

Gadallah, M.E.; Matar, M.A.; Algezawi, A.F.; Radio Science Conference, 1999. NRSC '99. Proceedings of the Sixteenth National, 23-25 Feb. 1999 Pages:C33/1 - C33/8

[Abstract] [PDF Full-Text (480 KB)] IEEE CNF

O- Join IEEE

O- Access the

Print Format

Establish IEEE

Web Account

IEEE Member

Digital Library

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



8
3
8
8
1
8
8
8
8

Conferences

Welcome
United States Patent and Trademark Office



Help FAQ Terms	IEEE Peer Review Quick Links Sea
Welcome to IEEE Xplar	
O- Home O- What Can I Access? O- Log-out	Your search matched 783 of 1045422 documents. A maximum of 500 results are displayed, 15 to a page, sorted by Relevance Descending order.
Tables of Contents O- Journals	Refine This Search: You may refine your search by editing the current search expression or enterinew one in the text box.
& Magazines	vocal <or>speech<near 5="">recognition<and>error<near 3<="" td=""></near></and></near></or>
O- Conterence Proceedings	☐ Check to search within this result set
O- Standards	Results Key:
Search	JNL = Journal or Magazine CNF = Conference STD = Standard
O- By Author	
O- Basic	1 Utilization of contextual constraints in automatic speech recognition
O- Advanced	Alter, R.;
Mamber Services	Audio and Electroacoustics, IEEE Transactions on , Volume: 16 , Issue: 1 , Ma 1968 Pages:6 - 11

[Abstract] [PDF Full-Text (672 KB)] IEEE JNL

$_{\rm 2}$ Some experiments with a linguistic processor for continuous speech recognition

Levinson, S.;

Acoustics, Speech, and Signal Processing [see also IEEE Transactions on Sign Processing], IEEE Transactions on , Volume: 31 , Issue: 6 , Dec 1983 Pages:1549 - 1556

[Abstract] [PDF Full-Text (968 KB)] IEEE JNL

3 On the use of linguistic consistency in systems for human-computer dialogues

Esteve, Y.; Raymond, C.; De Mori, R.; Janiszek, D.;

Speech and Audio Processing, IEEE Transactions on , Volume: 11 , Issue: 6 , 2003

Pages:746 - 756

[Abstract] [PDF Full-Text (521 KB)] IEEE JNL

4 Graceful degradation of speech recognition performance over packe erasure networks

Boulis, C.; Ostendorf, M.; Riskin, E.A.; Otterson, S.; Speech and Audio Processing, IEEE Transactions on , Volume: 10 , Issue: 8 , 2002

Pages:580 - 590

[Abstract] [PDF Full-Text (379 KB)] IEEE JNL

5 An error-protected speech recognition system for wireless communications

Weerackody, V.; Reichl, W.; Potamianos, A.;

Wireless Communications, IEEE Transactions on , Volume: 1 , Issue: 2 , April Pages: 282 - 291

[Abstract] [PDF Full-Text (324 KB)] IEEE JNL

6 Interactive translation of conversational speech

Waibel, A.;

Computer, Volume: 29, Issue: 7, July 1996

Pages:41 - 48

[Abstract] [PDF Full-Text (892 KB)] IEEE JNL

7 On the generation and use of a parallel-branch subunit model in continuous HMM

Park, Y.K.; Un, C.K.;

Speech and Audio Processing, IEEE Transactions on , Volume: 4 , Issue: 4 , Ju 1996

Pages: 290 - 293

[Abstract] [PDF Full-Text (332 KB)] IEEE JNL

8 Implementing the Viterbi algorithm

Lou, H.-L.;

Signal Processing Magazine, IEEE , Volume: 12 , Issue: 5 , Sept. 1995

Pages:42 - 52

[Abstract] [PDF Full-Text (964 KB)] IEEE JNL

9 Estimating hidden Markov model parameters so as to maximize spe recognition accuracy

Bahl, L.R.; Brown, P.F.; de Souza, P.V.; Mercer, R.L.;

Speech and Audio Processing, IEEE Transactions on , Volume: ${\bf 1}$, Issue: ${\bf 1}$, Ja 1993

Pages:77 - 83

[Abstract] [PDF Full-Text (648 KB)] IEEE JNL

10 Integrating detailed information into a language model

Ruiqiang Zhang; Black, E.; Finch, A.; Sagisaka, Y.;

Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. 20 IEEE International Conference on , Volume: 3 , 5-9 June 2000

Pages:1595 - 1598 vol.3

[Abstract] [PDF Full-Text (328 KB)] IEEE CNF

11 A codec for speech recognition in a wireless system

Reichl, W.; Weerackody, V.; Potamianos, A.; EUROCOMM 2000. Information Systems for Enhanced Public Safety and Secur IEEE/AFCEA, 17 May 2000 Pages:34 - 37

[Abstract] [PDF Full-Text (416 KB)] IEEE CNF

12 Neural network noisy speech recognition and understanding with information feedback

Jiang Minghu; Yuan Baozong; Lin Biqin; Intelligent Processing Systems, 1997. ICIPS '97. 1997 IEEE International Conference on , Volume: 2 , 28-31 Oct. 1997

Pages:1781 - 1784 vol.2

[Abstract] [PDF Full-Text (438 KB)] IEEE CNF

13 Empirical evaluation of interactive multimodal error correction Suhm, B.;

Automatic Speech Recognition and Understanding, 1997. Proceedings., 1997 Workshop on , 14-17 Dec. 1997 Pages: 583 - 590

Fages.303 - 390

[Abstract] [PDF Full-Text (440 KB)] IEEE CNF

14 Noise tolerance of output-coded neural net

AI-Mashoug, K.A.;

Digital Signal Processing Workshop Proceedings, 1996., IEEE, 1-4 Sept. 1996 Pages: 442 - 445

[Abstract] [PDF Full-Text (384 KB)] IEEE CNF

15 Error correction via a post-processor for continuous speech recogn Ringger, E.K.; Allen, J.F.;

Acoustics, Speech, and Signal Processing, 1996. ICASSP-96. Conference Proceedings., 1996 IEEE International Conference on , Volume: 1 , 7-10 May Pages:427 - 430 vol. 1

[Abstract] [PDF Full-Text (396 KB)] IEEE CNF

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 25 26 27 28 29 30 31 32 33 34 Next

Home | Log-out | Journals | Conference Proceedings | Standards | Search by Author | Basic Search | Advanced Search | Join IEEE | Web Account |
New this week | OPAC Linking Information | Your Feedback | Technical Support | Email Alerting | No Robots Please | Release Notes | IEEE Online
Publications | Help | FAQ| Terms | Back to Top

Copyright © 2004 IEEE - All rights reserved